

Amendments to the Claims:

Please substitute the following clean copy text for the pending claims of the same number.

14. (Currently Amended) A mold comprising:

- a) a shell comprising a cavity side and a back side, wherein said cavity side defines a mold cavity;
- b) a resistive heater comprising a resistive coating element and an electrically insulating element, wherein said heater is shaped to conform to at least a portion of said back side of said shell, and said heater is in conformal contact with said back side of said shell; and
- c) a housing capable of physically supporting said shell and said heater, wherein said heater is disposed between said shell and said housing.

15. (Currently Amended) The mold of claim 14, wherein said resistive coating of said resistive heater in step (b) is directly adhered to at least a portion of said back side of said shell.

16. (Original) The mold of claim 14, wherein said resistive heater in step (b) is not adhered to said shell.

17. (Original) The mold of claim 14, further comprising a thermal barrier element disposed between said heater and said housing.

18. (Original) The mold of claim 14, further comprising a cooling jacket.

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19. (Original) The mold of claim 14, wherein said resistive heater is coupled to a power supply, wherein application of current from said power supply results in production of heat by said resistive element.

20. (Currently Amended) The mold of claim 14, wherein ~~an~~ said electrically insulating element is disposed between said resistive coating element and said back side.

21. (Currently Amended) The mold of claim 14, wherein ~~an~~ said electrically insulating element is disposed between said housing and said resistive coating element.

22. (Original) The mold of claim 14, further comprising one or more additional heaters.

23. (Currently Amended) The mold of claim 22, wherein said one or more additional heaters are in conformal contact with said back said side.

24. (Original) The mold of claim 22, wherein at least a portion of said heater of (b) is disposed between at least a portion of said one or more additional heaters and said back side.

25. (Original) The mold of claim 14, further comprising one or more thermal sensors.

26. (Original) The mold of claim 25, wherein said thermal sensors comprise an array of thermocouples.

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